

# WISCONSIN HIV/AIDS QUARTERLY SURVEILLANCE SUMMARY

Cases Reported 1982 through December 31, 2004

Table 1. Cumulative AIDS and HIV infection(1) in Wisconsin

AIDS	(Cases meeting the 1993 CDC AIDS case definition)	5,690
HIV Infection	(AIDS and Western blot confirmed HIV cases)	8,743

Table 1a. AIDS case(1) by year

Year	Diagnosed	Reported
1982	4	0
1983	14	6
1984	30	22
1985	48	33
1986	109	72
1987	166	120
1988	231	148
1989	274	176
1990	389	259
1991	383	252
1992	526	304
1993	517	809
1994	464	483
1995	462	453
1996	381	347
1997	280	340
1998	242	273
1999	190	227
2000	223	336
2001	210	259
2002	194	268
2003	181	237
2004	172	266
<b>Total</b>	<b>5,690</b>	<b>5,690</b>

Table 1b. HIV infection(1) by year

Year	Diagnosed	Reported
1982	9	0
1983	24	6
1984	52	24
1985	241	39
1986	347	152
1987	523	323
1988	597	417
1989	598	524
1990	759	672
1991	640	656
1992	634	683
1993	542	650
1994	452	514
1995	511	562
1996	409	426
1997	365	447
1998	333	381
1999	274	372
2000	324	389
2001	289	336
2002	308	389
2003	259	364
2004	253	417
<b>Total</b>	<b>8,743</b>	<b>8,743</b>

Figure 1. HIV infection(1) by quarter of first report

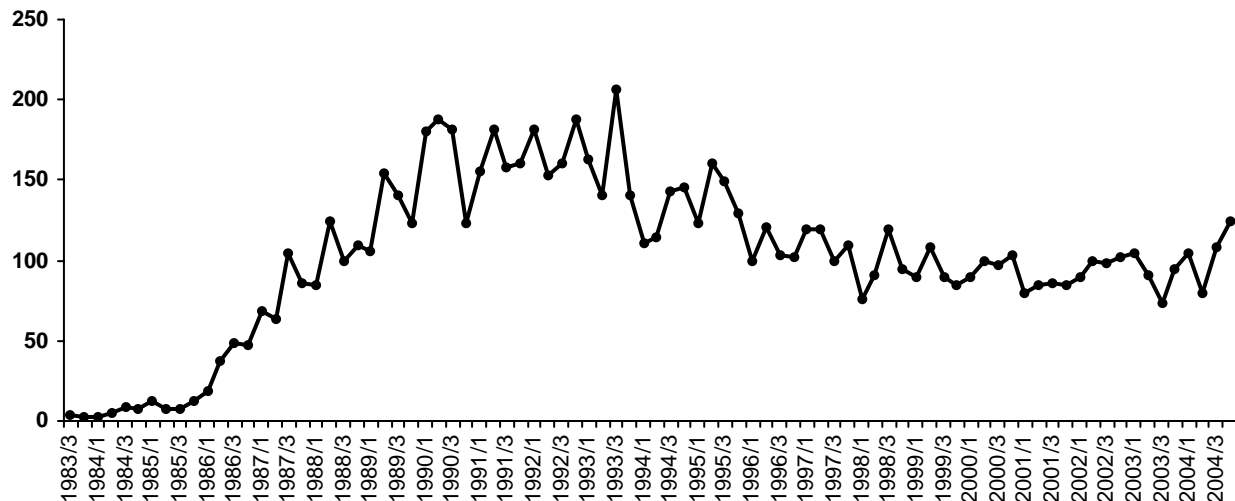


Table 2. Cumulative AIDS cases(1) and HIV infection by age group(2)

Age group	AIDS		HIV Infection	
	No.	%	No.	%
Pediatric (less than 13 years of age)	47	0.8%	95	1.1%
Adolescent (13 to 19 years of age)	46	0.8%	213	2.4%
Adult (more than 19 years of age)	5,597	98.4%	8,435	96.5%
<b>Total</b>	<b>5,690</b>	<b>100.0%</b>	<b>8,743</b>	<b>100.0%</b>

Figure 2. Age(2) at time of first diagnosis of HIV infection(1)

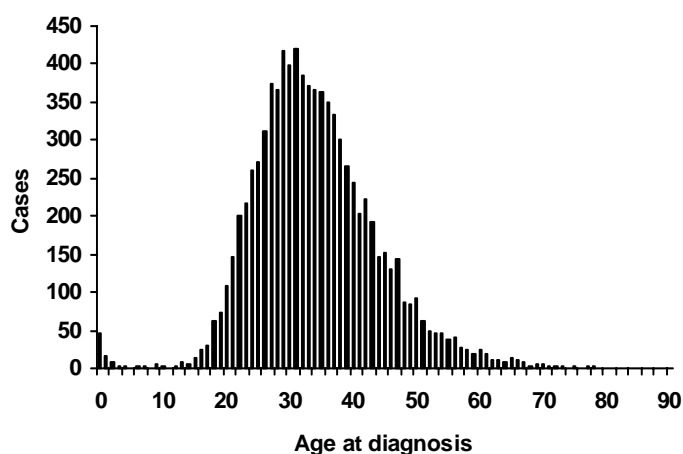


Table 2a. AIDS cases and HIV infection(1) by age group(2) and year of report, cases reported since 1990

YEAR	Pediatric (<13 yrs)		Adolescent (13-19 yrs)		Adult (>19 yrs)	
	AIDS	HIV Infection	AIDS	HIV Infection	AIDS	HIV Infection
1990	2	6	2	15	255	651
1991	5	8	2	14	245	634
1992	2	10	1	19	301	654
1993	11	11	11	10	787	629
1994	2	6	3	12	478	496
1995	3	10	6	20	444	532
1996	1	2	3	14	343	410
1997	2	3	1	7	337	437
1998	2	2	2	7	269	372
1999	1	2	1	15	225	355
2000	3	4	2	5	331	380
2001	4	7	1	12	254	317
2002	2	5	3	15	263	369
2003	1	3	3	11	233	350
2004	1	3	3	15	262	399
<b>Total</b>	<b>42</b>	<b>82</b>	<b>44</b>	<b>191</b>	<b>5,027</b>	<b>6,985</b>

**Table 3. Cumulative AIDS and HIV infection(1) cases by sex and race/ethnicity**

Race/ethnicity	Males				Females				Total			
	AIDS		HIV infection		AIDS		HIV infection		AIDS		HIV infection	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	3,159	64.1%	4,454	60.8%	280	36.9%	494	34.8%	3,439	60.4%	4,948	56.6%
African American	1,326	26.9%	2,183	29.8%	357	47.1%	708	49.9%	1,683	29.6%	2,891	33.1%
Hispanic	387	7.8%	585	8.0%	103	13.6%	177	12.5%	490	8.6%	762	8.7%
Asian/Pac. Is.	21	0.4%	37	0.5%	3	0.4%	9	0.6%	24	0.4%	46	0.5%
American Indian	36	0.7%	51	0.7%	14	1.8%	29	2.0%	50	0.9%	80	0.9%
Multi-racial	3	0.1%	6	0.1%	1	0.1%	2	0.1%	4	0.1%	8	0.1%
Unknown	0	0.0%	7	0.1%	0	0.0%	1	0.1%	0	0.0%	8	0.1%
<b>Total</b>	<b>4,932</b>	<b>100.0%</b>	<b>7,323</b>	<b>100.0%</b>	<b>758</b>	<b>100.0%</b>	<b>1,420</b>	<b>100.0%</b>	<b>5,690</b>	<b>100.0%</b>	<b>8,743</b>	<b>100.0%</b>

**Table 3a. AIDS cases and HIV infection(1) by race/ethnicity(3) and year of report, cases reported since 1990**

YEAR	White		African American		Hispanic	
	AIDS	HIV Infection	AIDS	HIV Infection	AIDS	HIV Infection
1990	198	442	44	181	17	40
1991	182	433	47	175	21	43
1992	219	384	57	231	26	59
1993	557	388	187	200	50	53
1994	296	272	146	200	33	37
1995	271	315	140	183	37	58
1996	197	227	113	159	34	36
1997	181	224	118	161	36	45
1998	138	200	109	139	25	37
1999	119	178	79	156	26	31
2000	164	169	132	168	31	43
2001	107	146	118	139	29	47
2002	121	195	105	144	35	47
2003	105	171	95	131	34	51
2004	125	199	103	148	31	52
<b>Total</b>	<b>2,980</b>	<b>3,943</b>	<b>1,593</b>	<b>2,515</b>	<b>465</b>	<b>679</b>

**Table 3b. AIDS cases and HIV infection(1) by sex and year of report, cases reported since 1990**

YEAR	Male		Female	
	AIDS	HIV Infection	AIDS	HIV Infection
1990	241	598	18	74
1991	228	574	24	82
1992	283	571	21	112
1993	719	543	90	107
1994	422	436	61	78
1995	396	476	57	86
1996	299	350	48	76
1997	293	356	47	91
1998	227	312	46	69
1999	187	294	40	78
2000	266	292	70	97
2001	207	258	52	78
2002	215	293	53	96
2003	188	285	49	79
2004	213	345	53	72
<b>Total</b>	<b>4,384</b>	<b>5,983</b>	<b>729</b>	<b>1,275</b>

**Table 4. Cumulative AIDS cases(1) by exposure category(4) and sex**

	<u>Male</u>		<u>Female</u>		<u>Total</u>	
	No.	%	No.	%	No.	%
Men who have sex with men	3332	67.6%	-	-	3,332	58.6%
Injecting drug use	629	12.8%	228	30.1%	857	15.1%
Men who have sex with men and inject drugs	410	8.3%	-	-	410	7.2%
Hemophilia/Coagulation disorder	90	1.8%	0	0.0%	90	1.6%
Heterosexual contact:(5)	191	3.9%	424	55.9%	615	10.8%
<i>Sex with injecting drug user</i>	95		213		308	
<i>Sex with other high risk partner</i>	1		63		64	
<i>Sex with HIV infected person risk not specified</i>	95		148		243	
Receipt of blood, blood components or tissue	32	0.6%	24	3.2%	56	1.0%
Mother with/at risk(6)	29	0.6%	17	2.2%	46	0.8%
Risk not identified/other(7)	219	4.4%	65	8.6%	284	5.0%
<b>Total</b>	<b>4,932</b>	<b>100.0%</b>	<b>758</b>	<b>100.0%</b>	<b>5,690</b>	<b>100.0%</b>

**Table 4a. Cumulative AIDS cases(1) by exposure category(4) and race/ethnicity(3)**

	<u>White</u>		<u>African American</u>		<u>Hispanic</u>	
	No.	%	No.	%	No.	%
Men who have sex with men	2,459	71.5%	693	41.2%	153	31.2%
Injecting drug use	250	7.3%	442	26.3%	150	30.6%
Men who have sex with men and inject drugs	244	7.1%	129	7.7%	29	5.9%
Hemophilia/Coagulation disorder	85	2.5%	2	0.1%	1	0.2%
Heterosexual contact:(5)	221	6.4%	277	16.5%	101	20.6%
<i>Sex with injecting drug user</i>	92		146		62	
<i>Sex with other high risk partner</i>	39		23		2	
<i>Sex with HIV infected person risk not specified</i>	90		108		37	
Receipt of blood, blood components or tissue	48	1.4%	2	0.1%	6	1.2%
Mother with/at risk(6)	15	0.4%	19	1.1%	10	2.0%
Risk not identified/other(7)	117	3.4%	119	7.1%	40	8.2%
<b>Total</b>	<b>3,439</b>	<b>100.0%</b>	<b>1,683</b>	<b>100.0%</b>	<b>490</b>	<b>100.0%</b>

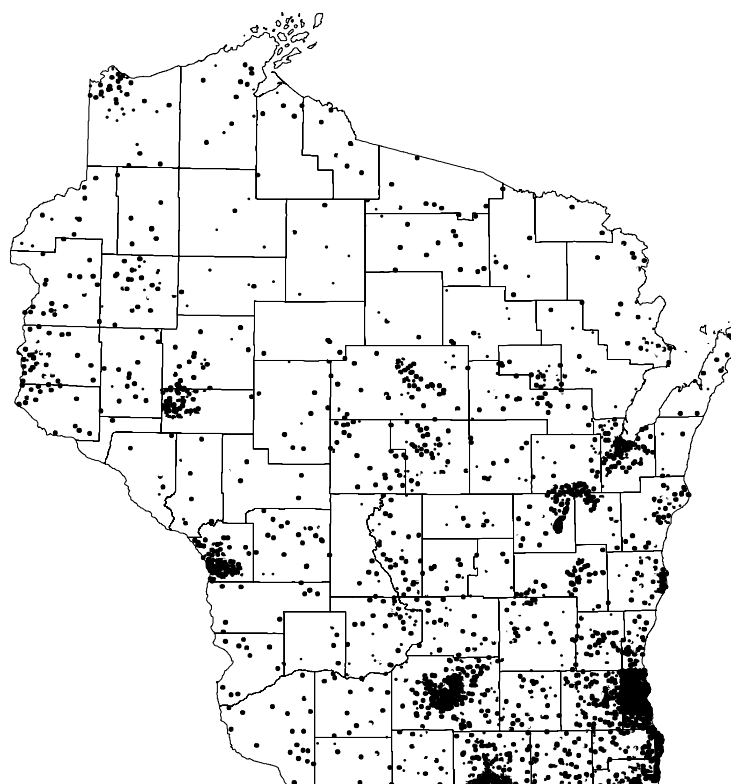
**Table 4b. Cumulative AIDS cases(1) among persons 13-24 by exposure category(4) and sex**

	<u>Male</u>		<u>Female</u>		<u>Total</u>	
	No.	%	No.	%	No.	%
Men who have sex with men	136	66.0%	-	-	136	47.9%
Injecting drug use	18	8.7%	11	14.1%	29	10.2%
Men who have sex with men and inject drugs	13	6.3%	-	-	13	4.6%
Hemophilia/Coagulation disorder	25	12.1%	0	0.0%	25	8.8%
Heterosexual contact:(5)	9	4.4%	54	69.2%	63	22.2%
<i>Sex with injecting drug user</i>	4		24		28	
<i>Sex with other high risk partner</i>	0		10		10	
<i>Sex with HIV infected person risk not specified</i>	5		20		25	
Receipt of blood, blood components or tissue	1	0.5%	1	1.3%	2	0.7%
Mother with/at risk(6)	0	0.0%	2	2.6%	2	0.7%
Risk not identified/other(7)	4	1.9%	10	12.8%	14	4.9%
<b>Total</b>	<b>206</b>	<b>100.0%</b>	<b>78</b>	<b>100.0%</b>	<b>284</b>	<b>100.0%</b>

**Table 5. Cumulative AIDS cases and HIV infection(1) by county of residence(8)**

County	HIV		County	HIV		County	HIV	
	AIDS	Infection		AIDS	Infection		AIDS	Infection
Adams	15	25	Iowa	8	12	Polk	16	20
Ashland	<5	9	Iron	7	9	Portage	31	47
Barron	23	35	Jackson	6	6	Price	7	7
Bayfield	6	11	Jefferson	29	38	Racine	167	268
Brown	188	288	Juneau	7	11	Richland	6	7
Buffalo	<5	<5	Kenosha	176	256	Rock	141	211
Burnett	6	11	Kewaunee	<5	<5	Rusk	5	6
Calumet	6	9	La Crosse	90	150	Sauk	29	46
Chippewa	13	26	Lafayette	<5	7	Sawyer	5	7
Clark	8	11	Langlade	7	10	Shawano	24	25
Columbia	26	34	Lincoln	8	7	Sheboygan	42	63
Crawford	16	20	Manitowoc	28	41	St. Croix	24	37
Dane	728	1079	Marathon	51	82	Taylor	<5	<5
Dodge	25	39	Marinette	24	30	Trempealeau	8	10
Door	13	18	Marquette	7	10	Vernon	5	9
Douglas	35	49	Menominee	13	16	Vilas	6	15
Dunn	10	14	Milwaukee	2766	4428	Walworth	51	72
Eau Claire	57	85	Monroe	17	25	Washburn	11	10
Florence	<5	<5	Oconto	10	16	Washington	34	49
Fond du Lac	30	42	Oneida	11	20	Waukesha	139	186
Forest	<5	8	Outagamie	64	98	Waupaca	8	12
Grant	17	27	Ozaukee	27	35	Waushara	<5	7
Green	24	30	Pepin	<5	<5	Winnebago	91	133
Green Lake	5	6	Pierce	14	23	Wood	38	50

**Figure 5a. Dot density map of HIV infection(1) by county of residence (8). (Note: Dots are plotted randomly within zip codes - the placement of dots does not represent the exact geographic location of any case.)**



**Table 5a. AIDS cases and HIV infection(1) by county and year of report(8), cases reported since 1990**

Year	Milwaukee County		Dane County		Other Counties	
	AIDS	HIV Infection	AIDS	HIV Infection	AIDS	HIV Infection
1990	131	367	35	88	92	217
1991	113	349	46	83	92	224
1992	153	399	42	76	105	208
1993	348	326	101	63	331	261
1994	241	273	66	56	153	185
1995	220	272	50	59	168	231
1996	158	206	52	51	122	169
1997	187	234	33	49	110	163
1998	137	187	33	47	94	147
1999	109	186	25	47	88	139
2000	180	197	42	47	105	145
2001	139	167	40	55	74	114
2002	136	195	30	56	91	138
2003	110	158	25	48	92	158
2004	126	186	43	64	91	167
<b>Total</b>	<b>2,488</b>	<b>3,702</b>	<b>663</b>	<b>889</b>	<b>1,808</b>	<b>2,666</b>

**Table 6. Cumulative AIDS and HIV infection(1) among children less than 13 years of age by race/ethnicity and county(8)**

Race/ethnicity	Milwaukee County				Other Counties				Total			
	AIDS		HIV infection		AIDS		HIV infection		AIDS		HIV infection	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
White	1	4.5%	3	7.1%	17	68.0%	31	58.5%	18	38.3%	34	35.8%
African American	14	63.6%	27	64.3%	4	16.0%	13	24.5%	18	38.3%	40	42.1%
Hispanic	7	31.8%	11	26.2%	3	12.0%	5	9.4%	10	21.3%	16	16.8%
Asian/Pac. Is.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
American Indian	0	0.0%	1	2.4%	1	4.0%	4	7.5%	1	2.1%	5	5.3%
Multi-racial	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>Total</b>	<b>22</b>	<b>100.0%</b>	<b>42</b>	<b>100.0%</b>	<b>25</b>	<b>100.0%</b>	<b>53</b>	<b>100.0%</b>	<b>47</b>	<b>100.0%</b>	<b>95</b>	<b>100.0%</b>

**Table 6a. AIDS cases(1) among children less than 13 years of age by exposure category(4)**

Pediatric (<13 years of age) risk category	No.	%
Hemophilia/Coagulation disorder	2	4.3%
Mother with/at risk	44	93.6%
<i>Injecting drug use</i>	8	
<i>Sex with injecting drug user</i>	19	
<i>Sex with other high risk partner</i>	2	
<i>Sex with HIV-infected person, risk not specified</i>	9	
<i>HIV-infection, risk not specified</i>	6	
Receipt of blood, blood components or tissue	1	2.1%
Risk not identified/other	0	0.0%
<b>Total</b>	<b>47</b>	<b>100.0%</b>

**Table 7. Deaths among persons reported with HIV infection, by year of death**

Year	Deaths
1982	1
1983	6
1984	14
1985	30
1986	64
1987	85
1988	102
1989	150
1990	192
1991	234
1992	281
1993	373
1994	339
1995	356
1996	251
1997	147
1998	140
1999	105
2000	122
2001	118
2002	105
2003	95
2004	66
<b>Total</b>	<b>3,376</b>

**Technical notes:**

a. This report is compiled by the Wisconsin AIDS/HIV Program and is based on AIDS and HIV infection case surveillance data collected by the Wisconsin Division of Public Health (DPH). It does not include data from the Counseling and Testing Site Program. In Wisconsin, state statutes require health care providers to report cases of AIDS and HIV infection to the DPH. For information about reporting requirements or procedures contact the Wisconsin AIDS/HIV Program (608/267-5287).

b. In this report, data are tabulated by the date of report to the DPH and includes data received and entered through the end of the previous quarter. Data in this report are provisional. Completeness of reporting for AIDS cases in Wisconsin is estimated to be over 85% but may vary by geographic region, risk exposure categories, and demographic groups. Completeness of reporting may be somewhat less for persons with HIV infection who do not meet the Centers for Disease Control and Prevention (CDC) surveillance case definition for AIDS. Thus, at any time, reported cases of HIV infection represent only part of the total number of diagnosed cases. Because cases remain undiagnosed, reported HIV infection underestimates total HIV infection morbidity.

c. Over time, persons with HIV infection may be diagnosed and reported with AIDS. HIV infection cases later reported with AIDS are added to the "AIDS" category in the tables.

d. In 1993, the CDC AIDS case surveillance definition for adults and adolescents was changed to include, as AIDS cases, persons with severe HIV-related immunosuppression. In Wisconsin, the revised case definition resulted in the reclassification as AIDS cases of a significant number of persons who had been previously reported with HIV infection. This reclassification was a one time occurrence.

**Table 8. Cumulative AIDS cases(1) and deaths in the U.S. through December 2003**

<b>AIDS cases</b>	902,233
<b>AIDS deaths</b>	524,060

**For more information:**

**To request a free copy of the national biannual HIV/AIDS Surveillance Summary Report, call 1-800-458-5231.**

**Internet users can obtain an electronic copy at: <http://www.cdc.gov/hiv/pubs.htm>**

**Questions regarding Wisconsin data may be directed to Neil Hoxie, AIDS/HIV Program Epidemiologist at (608) 266-0998.**

**Footnotes:**

1. "HIV infection" includes cases which meet the CDC surveillance case definition for AIDS and/or have Western blot confirmed HIV infection. "AIDS" includes only cases of HIV infection which meet the CDC surveillance case definition for AIDS.

2. For cases of HIV infection, "age" is the age when HIV infection was first diagnosed. For AIDS cases, "age" is the age when the case first met the CDC surveillance AIDS case definition.

3. Not included in this table are Asian/Pacific Islanders, American Indians and multi-racial person(s) reported with HIV infection or AIDS.

4. In Wisconsin reporting of risk exposure is only required for AIDS cases. For surveillance purposes, AIDS cases are counted only once in a hierarchy of exposure categories. Persons with more than one reported mode of exposure to HIV are classified in the first category in the hierarchy, except for men with a history of both sexual contact with other men and injecting drug use which constitutes a separate category.

5. "Heterosexual contact" cases include persons who report specific heterosexual contact with persons with, or at increased risk for, HIV infection.

6. "Mother at risk" cases include children who were born to mothers with, or at risk of, HIV infection.

7. "Risk not identified" cases include those currently under investigation; cases with incomplete exposure history because the patients refused interview, died before they could be interviewed, or were lost to follow-up; and cases for whom follow-up exposure history is available but no exposure mode was identified. "Other" cases include persons who report modes of exposure not listed in the hierarchy.

8. For HIV infection, the county of residence is the Wisconsin county of residence at the time HIV infection was first reported in Wisconsin. For AIDS cases, the county of residence is the Wisconsin county of residence at the time the AIDS case was first reported in Wisconsin. This table does not include AIDS and HIV infection cases among persons incarcerated in a state or federal prison in Wisconsin at time of diagnosis.